FIG. 1

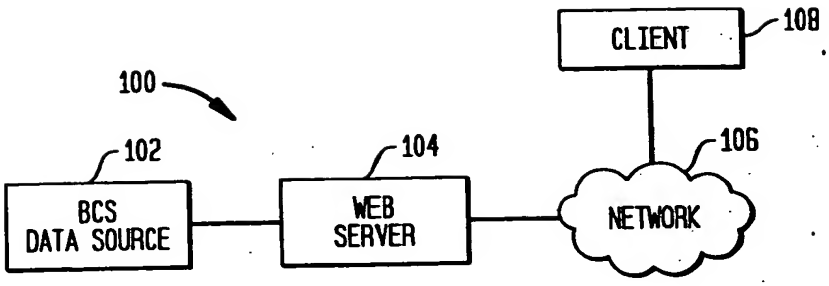

CLIENT
108
100
102
104
106
BCS
DATA SOURCE
WEB
SERVER
NETWORK

FIG. 2

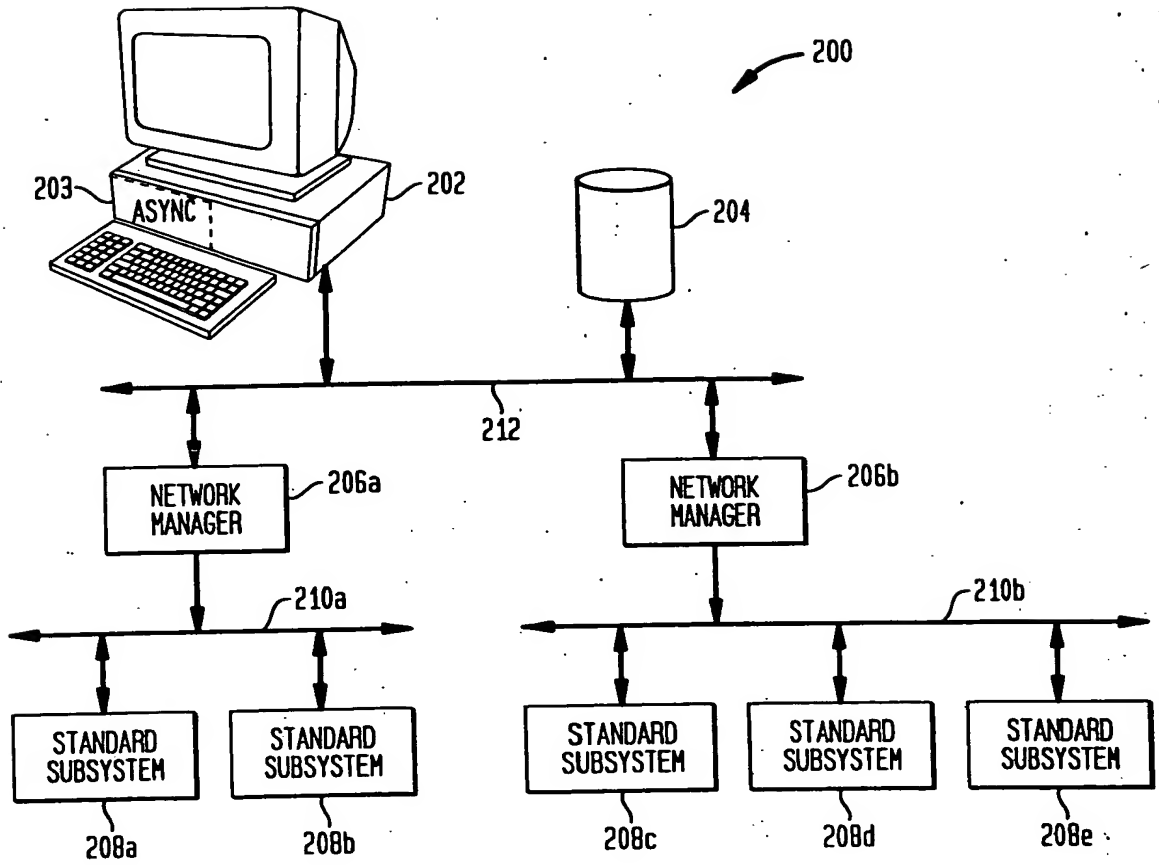

200
203
ASYNC
202
204
212
NETWORK MANAGER
206a
NETWORK MANAGER
206b
210a
210b
STANDARD SUBSYSTEM
STANDARD SUBSYSTEM
STANDARD SUBSYSTEM
STANDARD SUBSYSTEM
STANDARD SUBSYSTEM
208a
208b
208c
208d
208e

FIG. 3

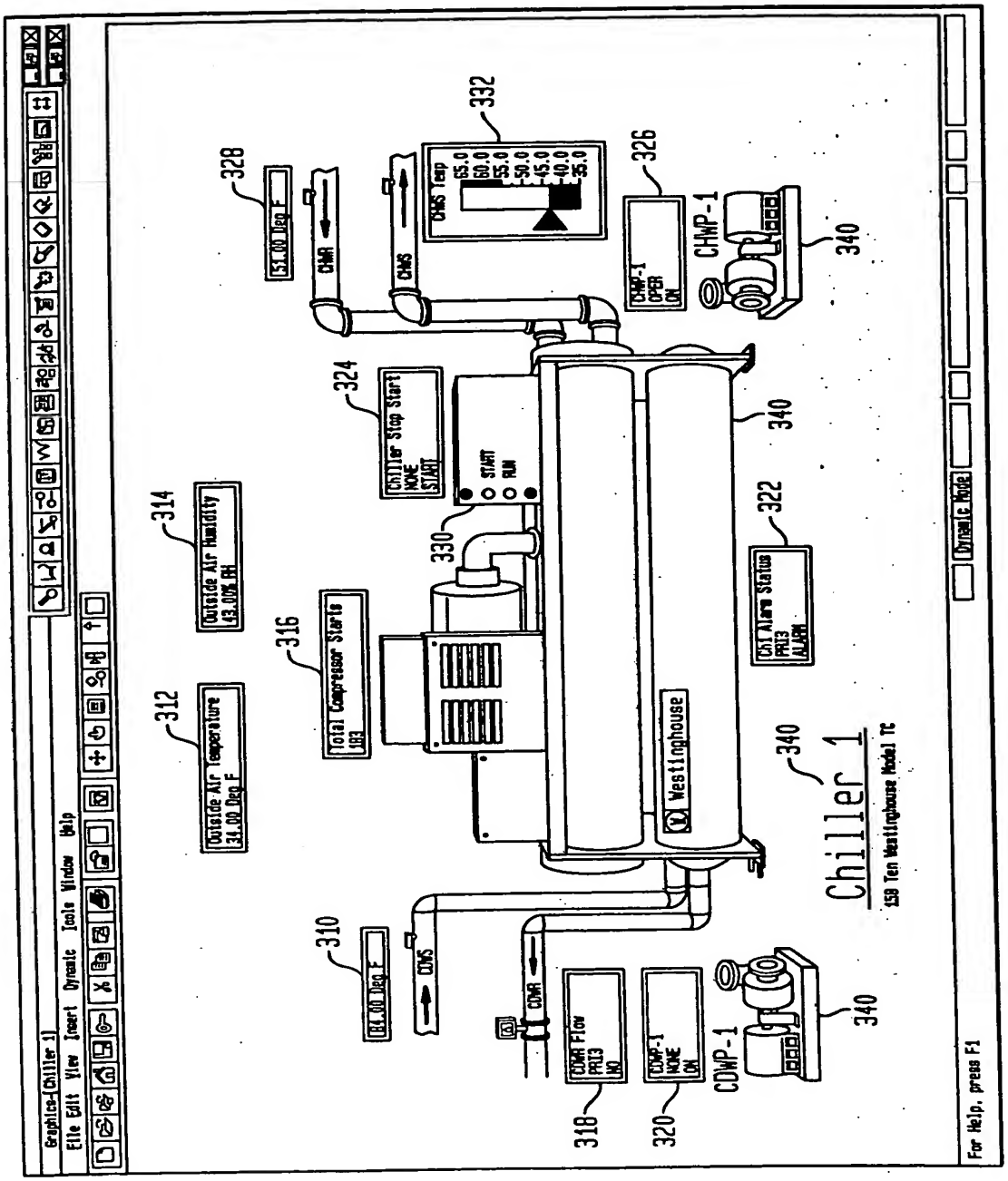

Graphics-Chiller 1
File Edit View Insert Dynamic Tools Window Help
Dynamic Mode
For Help, press F1
Chiller 1
150 Ton Westinghouse Model TC
Westinghouse
CHWP-1
COWP-1
CHWS
CHWR
COWS
COWR
START
RUN
CHWS Temp
65.0
60.0
55.0
50.0
45.0
40.0
35.0
CHWP-1 OPER ON
COWP Flow PR13 NO
COWP-1 HOME ON
Chiller Stop Start HOME START
Total Compressor Starts 183
Outside Air Humidity 43.00% RH
Outside Air Temperature 84.00 Deg F
CH1 Alarm Status PR13 ALARM
310
312
314
316
318
320
322
324
326
328
330
332
340

FIG. 4

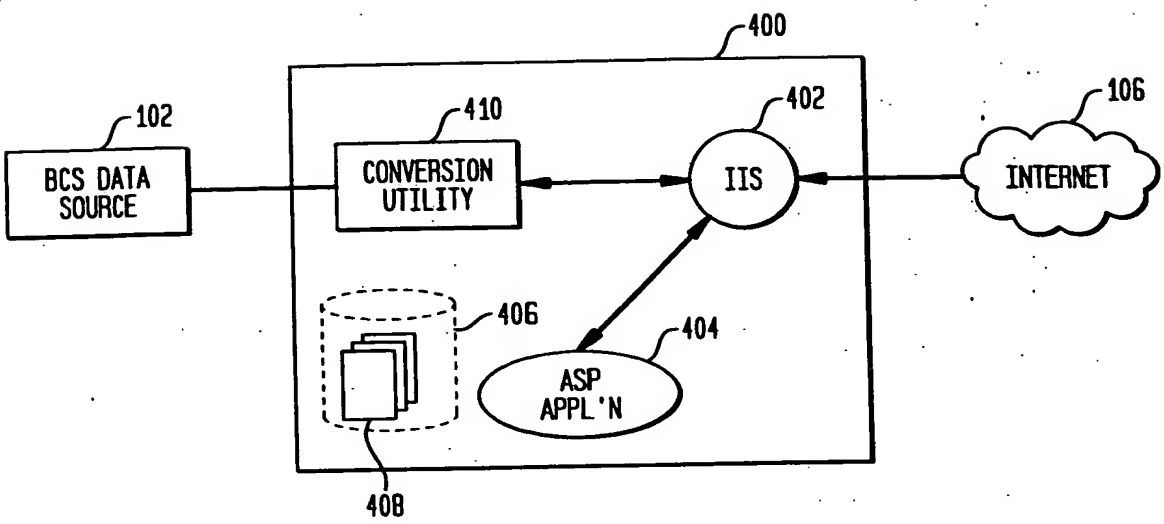

400
102
BCS DATA SOURCE
410
CONVERSION UTILITY
402
IIS
106
INTERNET
406
404
ASP APPL'N
408

FIG. 5

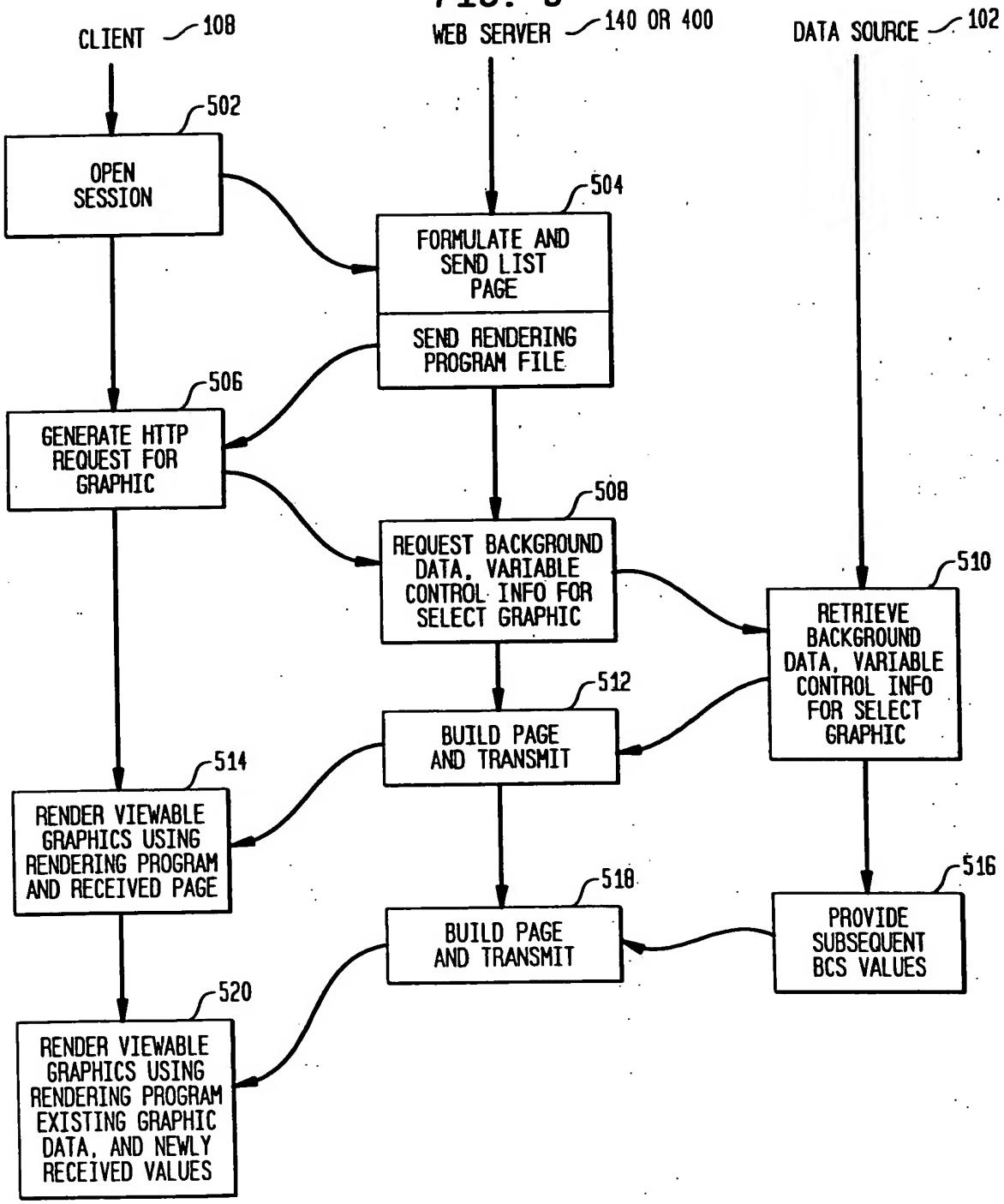
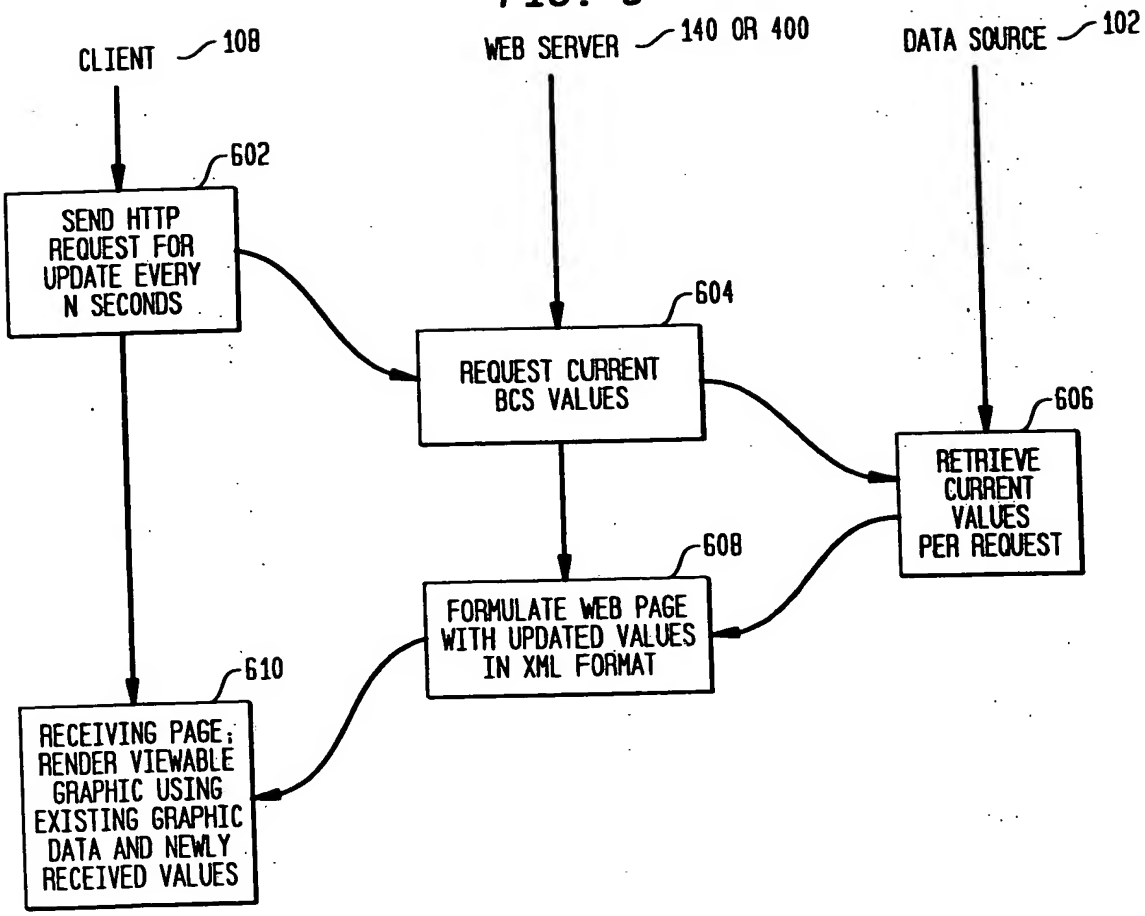

CLIENT
108
WEB SERVER
140 OR 400
DATA SOURCE
102
502
OPEN SESSION
504
FORMULATE AND SEND LIST PAGE
SEND RENDERING PROGRAM FILE
506
GENERATE HTTP REQUEST FOR GRAPHIC
508
REQUEST BACKGROUND DATA, VARIABLE CONTROL INFO FOR SELECT GRAPHIC
510
RETRIEVE BACKGROUND DATA, VARIABLE CONTROL INFO FOR SELECT GRAPHIC
512
BUILD PAGE AND TRANSMIT
514
RENDER VIEWABLE GRAPHICS USING RENDERING PROGRAM AND RECEIVED PAGE
516
PROVIDE SUBSEQUENT BCS VALUES
518
BUILD PAGE AND TRANSMIT
520
RENDER VIEWABLE GRAPHICS USING RENDERING PROGRAM EXISTING GRAPHIC DATA, AND NEWLY RECEIVED VALUES

FIG. 6


CLIENT
108
WEB SERVER
140 OR 400
DATA SOURCE
102
602
SEND HTTP REQUEST FOR UPDATE EVERY N SECONDS
604
REQUEST CURRENT BCS VALUES
606
RETRIEVE CURRENT VALUES PER REQUEST
608
FORMULATE WEB PAGE WITH UPDATED VALUES IN XML FORMAT
610
RECEIVING PAGE; RENDER VIEWABLE GRAPHIC USING EXISTING GRAPHIC DATA AND NEWLY RECEIVED VALUES

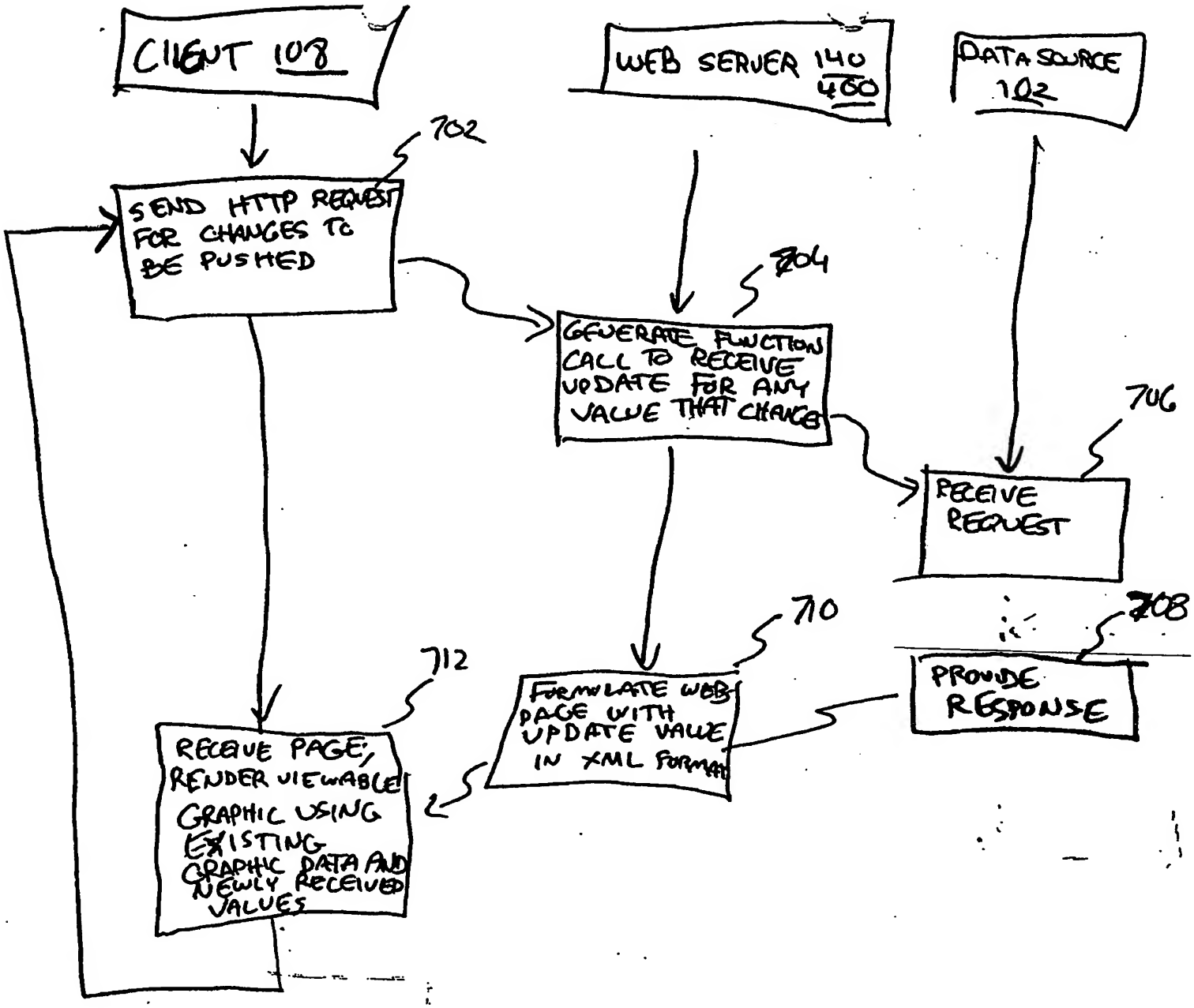

CLIENT 108
WEB SERVER 140
460
DATA SOURCE
102
702
SEND HTTP REQUEST FOR CHANGES TO BE PUSHED
704
GENERATE FUNCTION CALL TO RECEIVE UPDATE FOR ANY VALUE THAT CHANGE
706
RECEIVE REQUEST
708
PROVIDE RESPONSE
710
FORMULATE WEB PAGE WITH UPDATE VALUE IN XML FORMAT
712
RECEIVE PAGE; RENDER VIEWABLE GRAPHIC USING EXISTING GRAPHIC DATA AND NEWLY RECEIVED VALUES

FIG. 7

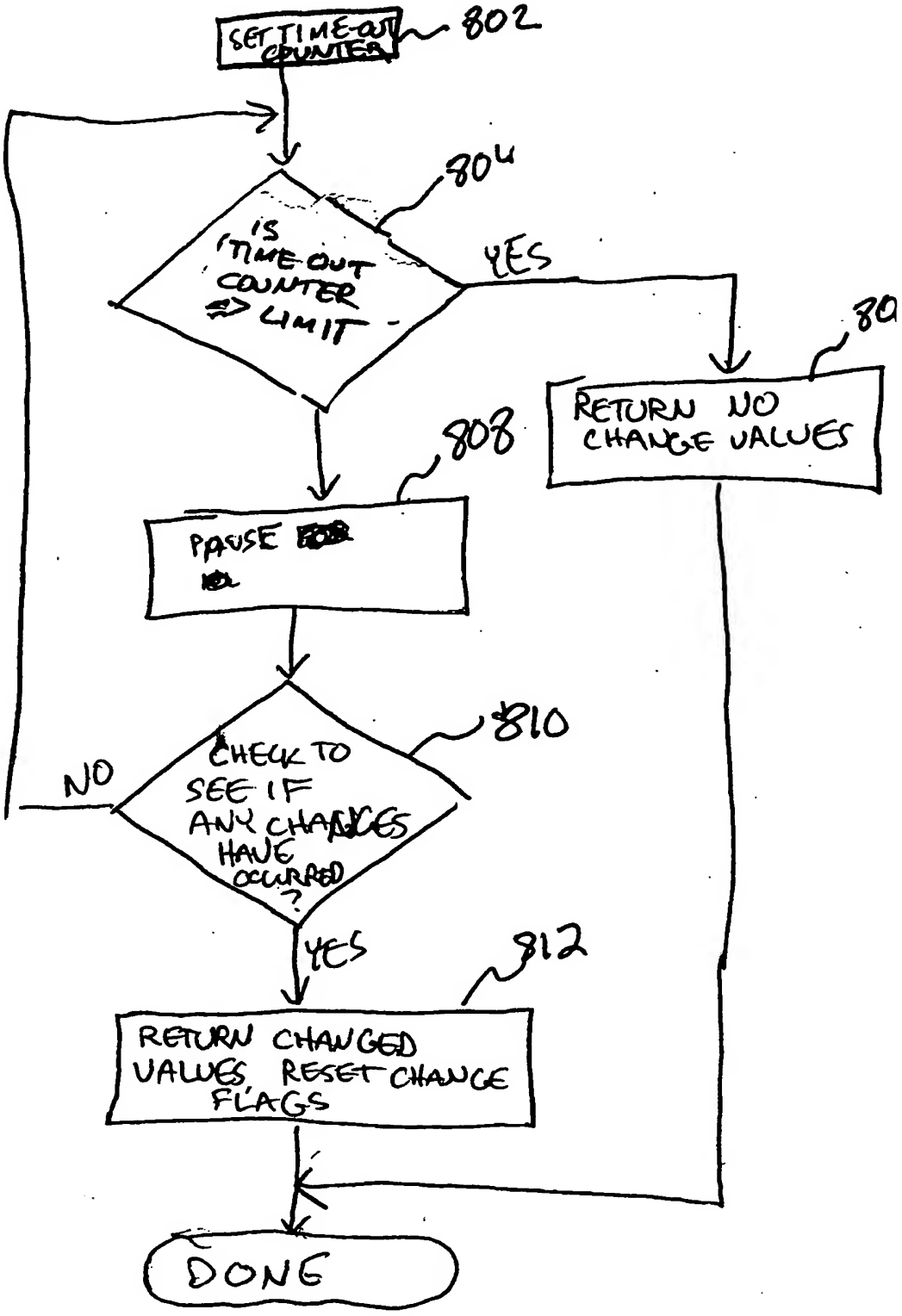

SET TIME-OUT COUNTER
802
804
IS TIME-OUT COUNTER => LIMIT
YES
RETURN NO CHANGE VALUES
808
PAUSE
810
CHECK TO SEE IF ANY CHANGES HAVE OCCURRED ?
NO
YES
812
RETURN CHANGED VALUES, RESET CHANGE FLAGS
DONE

FIG. 8